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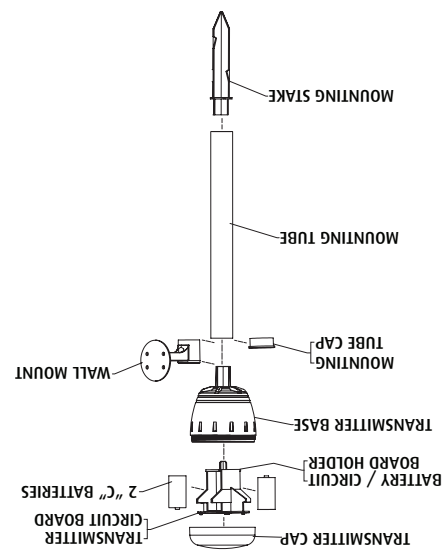
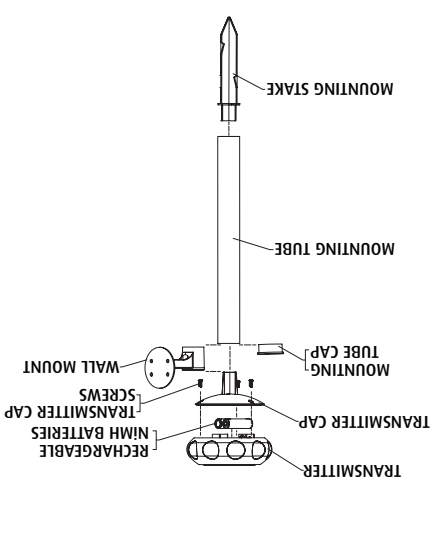
Inst. Sht. WirelessDriveway APRIL2010





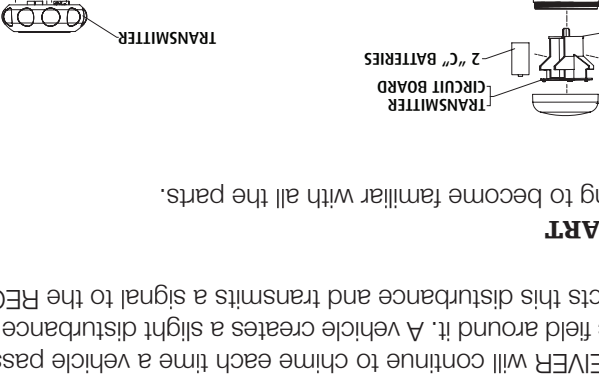
Thank you for purchasing this fine product. We want you to know your satisfaction is very important to us. We suggest you take the time to read this manual carefully to get the most from your new product.

HOW THE PRODUCT WORKS

Because of its patented magnetometer SENSOR system, the Driveway Monitor will only be triggered by cars or trucks - not people, animals and so forth. When a vehicle passes the Motion Alert® SENSOR next to the driveway, the RECEIVER unit inside the office or home sounds a chime and flashes the alert light. The alert light will continue to flash until reset and the RECEIVER will continue to chime each time a vehicle passes. The earth has a uniform magnetic field around it. A vehicle creates a slight disturbance in the earth's field. The SENSOR detects this disturbance and transmits a signal to the RECEIVER.

BEFORE YOU START

Refer to this drawing to become familiar with all the parts.



INDOOR RECEIVER STI-34104
(Receives up to 4 different STI sensors)

STI Wireless Driveway Monitor™

STI-34150 Battery Power Kit
STI-34100 Solar Power Kit

Installation and Operation Manual

Set up the RECEIVER and program the TRANSMITTER:

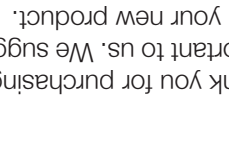
1. Plug the antenna into the back of the RECEIVER.
2. Plug the AC adapter into the back of the RECEIVER and into the wall outlet.
3. RECEIVER will make a start up tone and the green LED will flash.
4. Push and hold the button on the RECEIVER until you hear a second beep (approximately 3 seconds) then let go of the button.
5. Red LED will be solid YOU NOW HAVE 60 SECONDS TO COMPLETE PROGRAMMING.
6. Pick up the TRANSMITTER and rotate it until the green LED on the RECEIVER flashes and the RECEIVER makes a short tone. (If you have an additional TRANSMITTER(s), repeat this step while RECEIVER is still in Programming Mode.)
7. Place TRANSMITTER onto counter or table.
8. Press and release the button on the RECEIVER (red LED should now be off).
9. Rotate the TRANSMITTER again until the green LED flashes and the RECEIVER makes the alert tone.

CONGRATULATIONS! You are now ready to install the TRANSMITTER. If for any reason your RECEIVER does not respond correctly to above steps please see "Clearing the RECEIVER." Follow those steps and return to "Set up the RECEIVER and program the TRANSMITTER" above. Or, call STI Support at 800-888-4784.

Install batteries into the TRANSMITTER

BATTERY POWERED:

1. Remove the TRANSMITTER cap by turning it counterclockwise.
2. WITHOUT PULLING ON THE BRASS ANTENNA OR ANY WIRES, grasp the outside of the battery/circuit board holder by the finger notches, twist gently and pull out. Insert two "C" alkaline batteries (not included).
3. Replace the battery/circuit board holder and TRANSMITTER cap.
4. Place the TRANSMITTER on a table or counter approximately 5-10 ft. away from you. TRANSMITTER may make a faint clicking noise - this is normal.



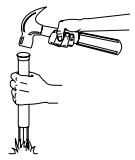
SOLAR POWERED:

1. Remove the bottom of the TRANSMITTER by removing the 3 screws on the bottom of the unit.
2. Remove the plastic tab between the batteries.
3. Replace the bottom of the unit and tighten down with the 3 screws.
4. Place the TRANSMITTER in direct sunlight for 48 hours OR place batteries in a NiMH (nickel metal hydride) battery charger.

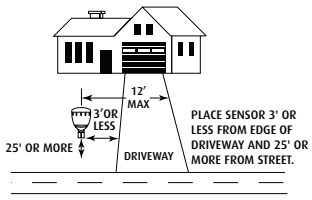
Install the TRANSMITTER:

The Solar unit must be placed in an area that receives partial or full sunlight. For both models, be sure the location of the TRANSMITTER is at least 25' back from the main road. For a typical 12' wide driveway, it is recommended the TRANSMITTER be no more than 3' away from the driveway (see drawing). Additional TRANSMITTERS may be required for driveways exceeding 12'. TRANSMITTER may be placed up to 1,000 feet away from RECEIVER; however, range may vary depending upon environment and use of wireless telephones, wireless routers and other similar devices.

To obtain optimal range:



1. Insert cap to tube.
2. Insert stake to opposite end of tube.
3. Place the tube (stake side down) into the ground within 3' of the driveway and more than 25' from the road.
4. Gently hammer the cap side of the tube until stake is firmly in the ground.
5. Remove cap and place TRANSMITTER on tube.
6. The TRANSMITTER should have a clear line-of-site to the RECEIVER to improve performance. For the solar model, rotate the TRANSMITTER so the antenna has a clear line-of-site to the RECEIVER. NOTE: If the battery has been weak or out of range for 12-24 hours, the RECEIVER will annunciate once per minute until the TRANSMITTER is detected or cleared from memory.



7. Place the TRANSMITTER so the vehicle does not pass between it and the RECEIVER.

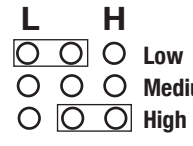
STI recommends the use of the stake and tube included with your Driveway Monitor. However, if you choose to mount the unit to an alternate mounting device, please be sure the device is stable. STI does not recommend mounting the TRANSMITTER to a tree or a metal fence or gate.

Sensitivity Adjustment:

The factory default setting (HIGH) may be adjusted by changing the jumper position inside the TRANSMITTER.

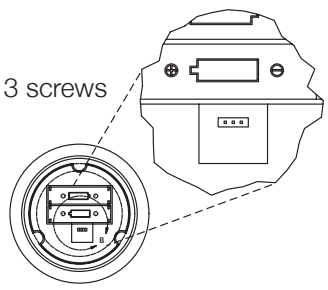
For BATTERY POWERED

1. Unscrew cap.
2. Position the jumper to desired sensitivity (as shown).
   - LOW: Position jumper on the two leftmost pegs.
   - MEDIUM: Completely remove jumper.
   - HIGH: Position jumper on the two rightmost pegs.
3. Replace cap.



For SOLAR POWERED

1. Remove the bottom of the TRANSMITTER by removing the 3 screws on the bottom of the unit.
2. Position the jumper to desired sensitivity (as shown above).
   - LOW: Position jumper on the two leftmost pegs.
   - MEDIUM: Completely remove jumper.
   - HIGH: Position jumper on the two rightmost pegs.
3. Replace the bottom of the unit and tighten down with the 3 screws.



Modes of operation (for both Battery and Solar Models):
Normal Operating mode

The green LED may flash periodically to indicate routine signals are being received. This does not mean a vehicle is approaching. When a vehicle is detected, a short alert tone will play* and the red LED on the RECEIVER will flash until reset. The TRANSMITTER has a 10-15 second delay before the next vehicle will be detected. To reset the RECEIVER, press and release the button.
*Note: If more than one TRANSMITTER is being used and is triggered, the RECEIVER will beep twice, three times, etc., before playing the alert tone to indicate which TRANSMITTER was detected.

Temporary (8 Hours) and Permanent Silent Modes

These modes may be entered ONLY while the RECEIVER is in Normal Operating Mode. If there is a power outage, the RECEIVER will stay in that Silent Mode until reset.

Entering Temporary Silent Mode - Press and hold the button on the RECEIVER until you hear a second beep (approximately 3 seconds). Red LED will be on solid.

Entering Permanent Silent Mode - Press and hold the button until the RECEIVER makes a series of two short beeps (approximately 6 seconds). Red LED will be on solid.
In either Silent Mode, the red LED will change from continuous to flashing when a transmission is detected by the RECEIVER.

To Return to Normal Operating Mode

1. **Push and hold** the button until you hear a single beep.

Low Battery / Out of Range TRANSMITTER:
If the battery is too weak or out of range between 12 - 24 hours, the RECEIVER will annunciate once per minute with a number of beeps to indicate the TRANSMITTER with the trouble (i.e. 1 beep for the first, 2 beeps for the second, etc.). If in silent mode the RECEIVER will return to normal mode to annunciate. This will continue until the TRANSMITTER is detected or cleared from memory.

Clearing the RECEIVER (for both Battery and Solar Models):

These steps will completely clear the RECEIVER of all programming.

1. Disconnect power from RECEIVER and wait for 15 seconds.
2. Reconnect the power to the RECEIVER.
3. Press and hold the button until you hear two short beeps.
4. Red LED will be solid.
5. Press and release the button.
6. Disconnect power from RECEIVER and wait another 15 seconds.
   To reprogram the RECEIVER, follow the steps in "Set up the RECEIVER and program the TRANSMITTER."

Transistor Output Jack (all models):

This output can trigger the Lamp Controller (STI-30104) or another low powered device such as a relay. The output is a 3.5mm mono jack and is polarity sensitive. Output will supply 75mA at 12VDC for three seconds.

TROUBLE	SOLUTION
The RECEIVER does not power up (green LED is off).	1. Check that the AC power outlet has power. 2. Check that the AC Adapter is plugged in to both the RECEIVER and wall outlet. 3. Try another AC adapter (12V DC 100mA only) with a +12 VDC center and -12 VDC outside edge.
The RECEIVER does not sound when a vehicle passes by.	1. Check that the RECEIVER is not in Temporary or Permanent Silent Mode. 2. Check the TRANSMITTER by picking it up and rotating it. The TRANSMITTER should make a "cricket" noise. 3. Check that the TRANSMITTER and RECEIVER are within operating distance from each other. 4. Check the TRANSMITTER batteries and replace if necessary. Reprogram the RECEIVER using the steps in "Clearing the RECEIVER" and "Set up the RECEIVER and program the TRANSMITTER." 5. For Solar model only, make sure the TRANSMITTER is in direct sunlight and that it has been charging for at least 48 hours. Replace batteries if necessary. **Use only AA (1.2v) NiMH rechargeable batteries.** Charge the sensor in direct sunlight for 48 hours. Reprogram the RECEIVER using the steps in "Clearing the RECEIVER" and "Set up the RECEIVER and program the TRANSMITTER."
The TRANSMITTER does not activate when a car passes by.	1. Check that the TRANSMITTER and RECEIVER are within operating distance from each other. 2. Change the Sensitivity in the TRANSMITTER using the steps in "Sensitivity Adjustment." 3. Check that the TRANSMITTER and RECEIVER are located so a vehicle does not pass between them. 4. Change the location of the TRANSMITTER by placing it closer to the edge of the driveway. 5. Bring the TRANSMITTER close enough to the RECEIVER so the RECEIVER button is visible. Test the TRANSMITTER by passing a steel shovel or large magnet around the TRANSMITTER. The TRANSMITTER should make a "cricket" noise and the red LED on the RECEIVER should flash. 6. Check the TRANSMITTER batteries and replace if necessary. 7. Reprogram the RECEIVER using the steps in "Clearing the RECEIVER" and "Set up the RECEIVER and program the TRANSMITTER."
The RECEIVER sounds when there is no vehicle passing by.	1. Is the TRANSMITTER mounted firmly and not effected by wind? 2. Is the TRANSMITTER at least 25' away from the main road? 3. Be sure there are no other metal objects near the TRANSMITTER that may move. 4. Reprogram the RECEIVER using the steps in "Clearing the RECEIVER" and "Set up the RECEIVER and program the TRANSMITTER."
The RECEIVER sounds when lightning strikes.	1. This may occur in severe weather.

IMPORTANT NOTICE:

This product has been tested and complies with the specifications for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used according to the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which is found by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment or devices
- Connect the equipment to an outlet other than the receiver's
- Consult a dealer or an experienced radio/TV technician for assistance

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Changes or modifications not expressly approved by Safety Technology International, Inc. could void your authority to operate this equipment.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication.

Model 34104	Model 34101	Model 34151
FCC ID: TXL34104	FCC ID: TXL34101	FCC ID: TXL34151
IC ID: 6550A-34104	IC ID: 6550A-34101	IC ID: 6550A-34151

OPTIONAL LAMP CONTROLLER ACCESSORY

The lamp controller will turn on a lamp any time your DRIVEWAY MONITOR™ is triggered. Never come home to a dark house again, and let others think you are home when you aren't. The Lamp Controller works with both the STI-34150 (battery) and the STI-34100 (solar) models.

WARNINGS

FOR INDOOR USE ONLY. This unit CANNOT be used with 3-prong grounded plugs. Do not connect RECEIVER to any heat producing device. Keep RECEIVER away from water and/or damp areas. To prevent electric shock, match wide blade of plug to the wide slot of outlet and insert completely.
When using lamp controller option, use ONLY 200 Watt or less incandescent lamp, and keep lamp away from bed coverings, curtains or other flammable materials as this may present a fire hazard.

WARRANTY INFORMATION:

Safety Technology International, Inc. warrants to the **original** consumer/purchaser that this product shall be free of defects in material and workmanship under normal use and circumstances for a period of one (1) year from the original date of purchase.

Optional accessories

STI-34101	Additional Solar Powered TRANSMITTER
STI-34104	Additional RECEIVER
STI-30104	Lamp Controller
STI-34151	Additional Battery Powered TRANSMITTER